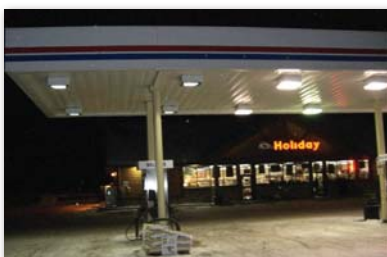




C0820 Series Canopy Light

Features

- 100 lm/w from fixture, most efficient Fuel Pump Canopy light in the world!
- Exclusive LED chipset from Nichia that produces 170 lm/w
- 400 ma to ensure long term durability and function
- Customizable lens distribution & color temperature depending on application requirements (optional)
- Retrofits designed for quick and easy installation for upgrades
- Electro-statically applied polyester powder coat finish
- IP65 weather protection
- Design Light Consortium (DLC) qualified
- Patented "Independent Pixilated Heat Sink" provides unrivaled heat dissipation



Optical Performance

- Color temperature: 4000K-6000K
- Beam pattern: canopy symmetric
- Optimum canopy light distribution

Electrical Specifications

- Power input: 120-277 VAC 50/60Hz
- Power factor: $\geq 90\%$
- THD <20% at full load
- 0-100% dimming control(optional)
- Power consumption: 80-120 W

Test & Certifications

- ETL certified
- UL standard 1598 & 8750 and 1012
- CSA C22.2 No.107.1 and No.250.0
- LM79, LM80
- RoHS compliant (optional)



LED Performance Specifications

400mA Fixture Operating at 25°C								450mA Fixture Operating at 25°C								Compares with (approx. only)
Model (LEDs)	Initial Delivered Lumens – Nominal@4000K	Initial Delivered Lumens – Nominal@5000K	System Watts 120–277V	Total Current @ 120V	B	U	G	Model (LEDs)	Initial Delivered Lumens – Nominal@ 4000K	Initial Delivered Lumens – Nominal@ 5000K	System Watts 120–277V	Total Current @ 120V	B	U	G	
					* Rating								* Rating			
C0820- 80W(60leds)	7085	7872	80	0.67	3	1	1	C0820 – 90W (60leds)	7971	8858	90	0.76	3	1	1	150W MH 175W MH
C0820- 90W(70leds)	7971	8856	92	0.77	3	1	1	C0820 – 110W(70leds)	9742	10824	105	0.87	3	1	1	175W MH 250W MH
C0820-110W(80leds)	9742	10824	106	0.87	3	2	1	C0820 – 120W(80leds)	10627	11808	120	0.98	3	2	1	250W MH 320W MH
C0820-120W(90leds)	10627	11808	117	0.98	3	2	1	C0820 – 140W(90leds)	12398	13776	135	1.09	3	2	1	320W MH 400W MH

Note: * B.U.G. rating listed for lens #39 only. All models with lens #38 are B.U.G. rated 3.1.1.

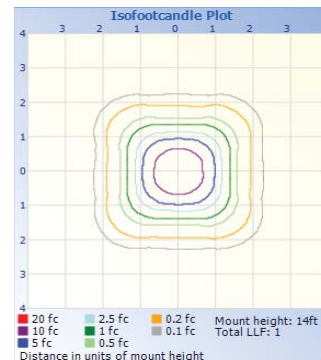
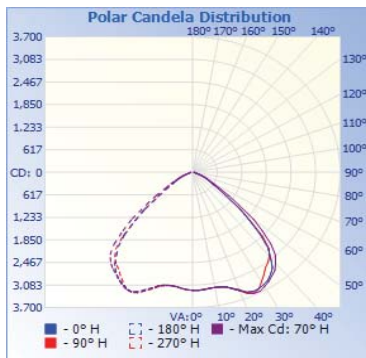
Ordering information

1. Product Series	2. Power Supply	3. Wattage	4. CP	5. Color Temperature	6. LED Current	7. Lens Type	8. Finish	9. Accessories
C0820 Canopy Lighting	BC - internal power supply model C - slim model with power supply	80W 100W 110W 120W	CP - Ceiling Mounting 1 RF - Ceiling Mounting 2	4000 - 4000K 5000 - 5000K	400 mA 450 mA	N38 N39	W - White Y - Yellow B - Black S - Silver	N - None P - Photo Sensor D - Dimming Control (0-100%)
Example: C0820 - C - 120W - RF - 5000 - 400 - N38 - W - N								

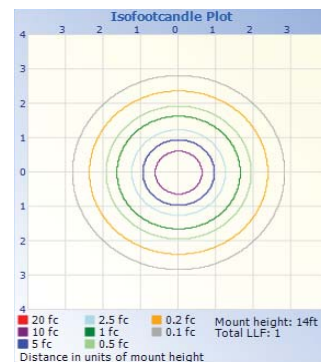
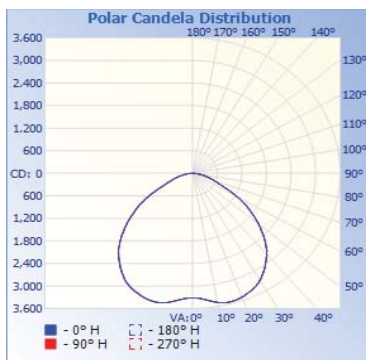
C0820 Series Canopy Light

Illumination Diagrams

Model	110W
Lens Type	N38
Color Temperature	5000K
Operating Current	450mA
Lumens	10232 lm

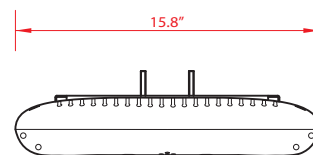
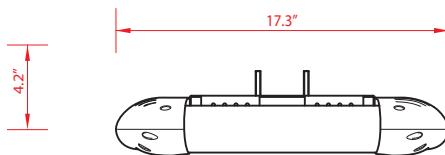


Model	110W
Lens Type	N39
Color Temperature	5000K
Operating Current	400mA
Lumens	10824 lm

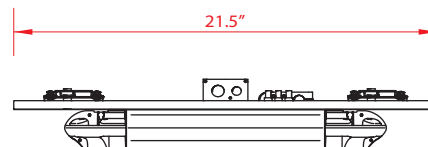
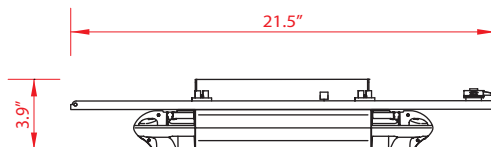


Mounting Options

CP series



RF series





Features

- Patented "Independent Pixel Heat Sink"
- Standard color temperature offering 4000K or 5000K.
- Easily accessible power supply
- Customizable lens distribution & color temperature
- Lightweight aluminum housing design
- Electro-statically applied polyester powder coat finish
- IP65 weather protection
- Design Light Consortium (DLC) qualified
- Highly efficient global brand LEDs



Optical Performance

- Color temperature: 4000K, 5000K
- Beam pattern: canopy symmetric
- Optimum canopy light distribution

Electrical Specifications

- Power input: 110/277 VAC 50/60Hz
- Power factor: $\geq 90\%$
- THD $< 20\%$ at full load
- 0-100% dimming control(optional)
- Power consumption: 80-240 W

Test & Certifications

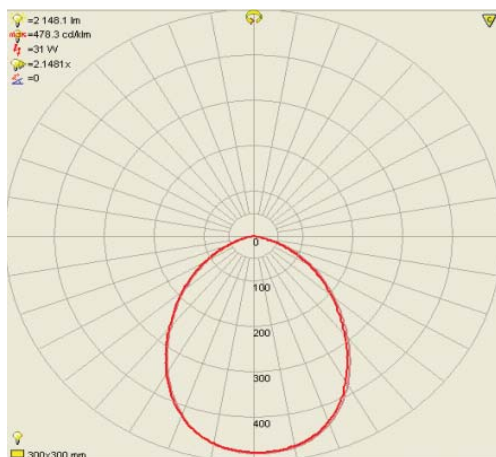
- ETL certified
- UL standard 1598 & 8750 and 1012
- CSA C22.2 No.107.1 and No.250.0
- LM79, LM80
- RoHS compliant

Performance Specifications

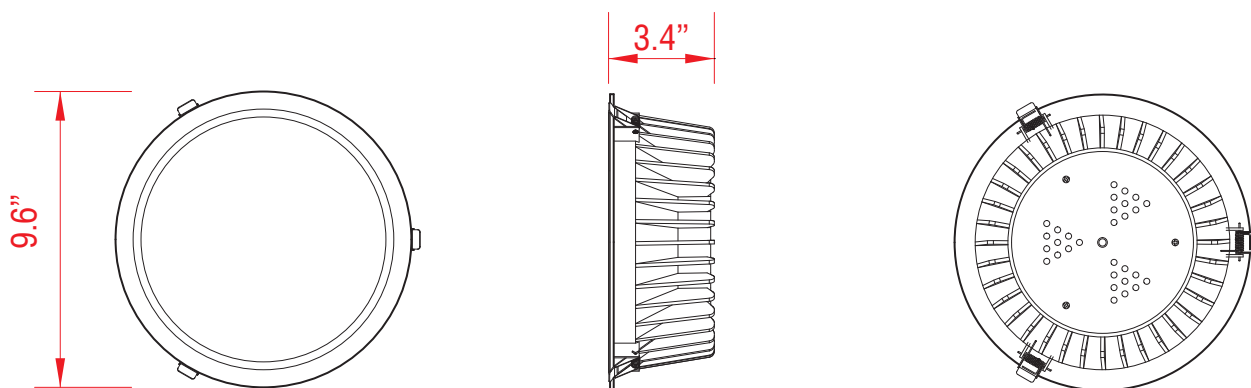
Group	Item	Value	Unit
Electrical Specification	Voltage	110/277	V
	Current	0.255	A
	Power	32	W
	Frequency	50	Hz
Optical Specification	Lumens	2000	lm
	Light efficiency	60	lm/w
	Central Brightness	1000	cd
	Half Power Angle	90	degree
	Beam Angle	140	degree
Color Specification	CRI	68	
	CCT	5500	K



Illumination Diagrams



Mounting Options



Ordering information

1. Product Series	2. LEDs	3. Size	4. Color Temperature	5. Finish	6. Accessories
C22A1	10	6 - 6"	4000 - 4000K	W - White	N - None
Down Light	16	8 - 8"	5000 - 5000K	Y - Yellow	P - Photo Sensor
	20			S - Silver	D - Dimming Control (0-100%)

Example: C22A1 - $\frac{1}{2}$ - $\frac{8}{3}$ - $\frac{5000}{4}$ - $\frac{W}{5}$ - $\frac{N}{6}$



Features

- Patented "Independent Pixel Heat Sink" resulting in unrivalled heat dissipation
- Easily accessible high efficiency power supply
- Customizable lens distribution & color temperature depending on application requirements (optional)
- Unique lightweight aluminum housing design
- Electro-statically applied polyester powder coat finish
- IP65 weather protection
- Design Light Consortium (DLC) qualified
- Highly efficient global brand LEDs for exceptional quality, reliability and lumen maintenance



Optical Performance

- Color temperature: 4000K, 5000K
- IESNA types IIM, IIS, III, V
- Custom beam pattern (optional)

Electrical Specifications

- Power input: 120 / 277 VAC 50/60Hz
- Power factor: $\geq 90\%$
- THD $< 20\%$ at full load
- 0-100% dimming control (optional)
- 347 VAC (optional)

Test & Certifications

- ETL certified
- UL standard 1598 & 8750 and 1012
- CSA C22.2 No.107.1 and No.250.0
- LM79, LM80
- RoHS compliant (optional)



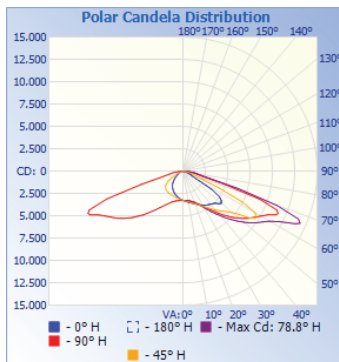
LED Performance Specifications

Model	Number of LEDs	Lumens		Wattage	Operating Current	B.U.G
		4000K	5000K			
C0820-100W(80leds)	80	8672	9636	104	0.87	222
C0820-120W(90leds)	90	9780	10867	117	0.98	222
C0820-150W(110leds)	110	11882	13202	145	1.21	323
C0820-160W(120leds)	120	12965	14405	158	1.32	323
C0820-200W(150leds)	150	16193	17992	195	1.63	333
C0820-240W(180leds)	180	19518	21687	234	1.95	333

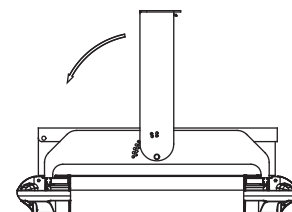
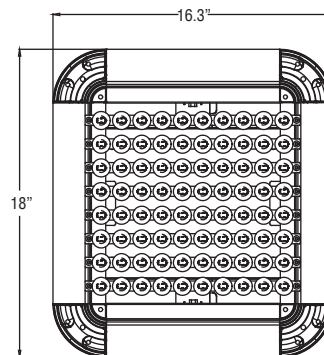
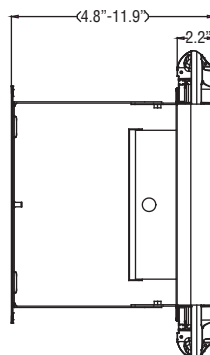
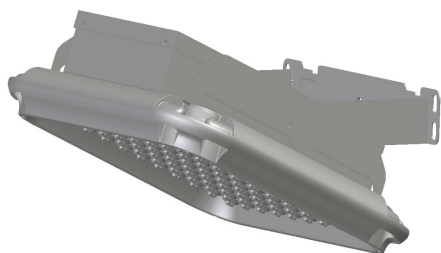


Illumination Diagrams

Type	IIM
Model	100W
Lens Type	N34
Color Temperature	5000K
Operating Current	400mA
Lumens	9636 lm



Mounting Options



Ordering information

1. Product Series	2. Power Supply	3. Wattage	4. Color Temperature	5. LED Current	6. Lens Type	7. Finish	8. Accessories
C0820 Area / Street Lighting	BR Internal power supply model	100W ~ 240W	4000 - 4000K 5000 - 5000K	400 mA	N34	W - White Y - Yellow B - Black S - Silver	N - None P - Photo Sensor D - Dimming Control (0-100%)

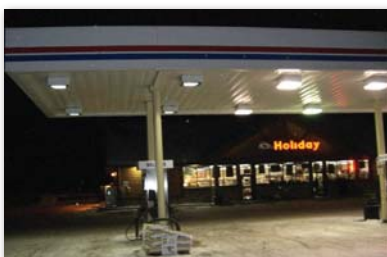
Example: C0820 - BR - 120W - 5000 - 400 - N34 - W - N
1 2 3 4 5 6 7 8



C0820 Series Canopy Light

Features

- 100 lm/w from fixture, most efficient Fuel Pump Canopy light in the world!
- Exclusive LED chipset from Nichia that produces 170 lm/w
- 400 ma to ensure long term durability and function
- Customizable lens distribution & color temperature depending on application requirements (optional)
- Retrofits designed for quick and easy installation for upgrades
- Electro-statically applied polyester powder coat finish
- IP65 weather protection
- Design Light Consortium (DLC) qualified
- Patented "Independent Pixilated Heat Sink" provides unrivaled heat dissipation



Optical Performance

- Color temperature: 4000K-6000K
- Beam pattern: canopy symmetric
- Optimum canopy light distribution

Electrical Specifications

- Power input: 120-277 VAC 50/60Hz
- Power factor: $\geq 90\%$
- THD $< 20\%$ at full load
- 0-100% dimming control (optional)
- Power consumption: 80-120 W

Test & Certifications

- ETL certified
- UL standard 1598 & 8750 and 1012
- CSA C22.2 No.107.1 and No.250.0
- LM79, LM80
- RoHS compliant (optional)



LED Performance Specifications

400mA Fixture Operating at 25°C								450mA Fixture Operating at 25°C								Compares with (approx. only)
Model (LEDs)	Initial Delivered Lumens – Nominal@4000K	Initial Delivered Lumens – Nominal@5000K	System Watts 120-277V	Total Current @ 120V	B	U	G	Model (LEDs)	Initial Delivered Lumens – Nominal@ 4000K	Initial Delivered Lumens – Nominal@ 5000K	System Watts 120-277V	Total Current @ 120V	B	U	G	
C0820-80W(60leds)	7085	7872	80	0.67	3	1	1	C0820 – 90W (60leds)	7971	8858	90	0.76	3	1	1	150W MH
C0820-90W(70leds)	7971	8856	92	0.77	3	1	1	C0820 – 110W(70leds)	9742	10824	105	0.87	3	1	1	175W MH
C0820-110W(80leds)	9742	10824	106	0.87	3	2	1	C0820 – 120W(80leds)	10627	11808	120	0.98	3	2	1	250W MH
C0820-120W(90leds)	10627	11808	117	0.98	3	2	1	C0820 – 140W(90leds)	12398	13776	135	1.09	3	2	1	320W MH
																400W MH

Note: * B.U.G. rating listed for lens #39 only. All models with lens #38 are B.U.G. rated 3.1.1.

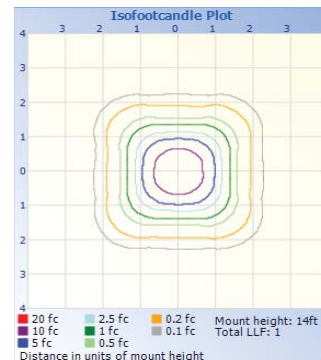
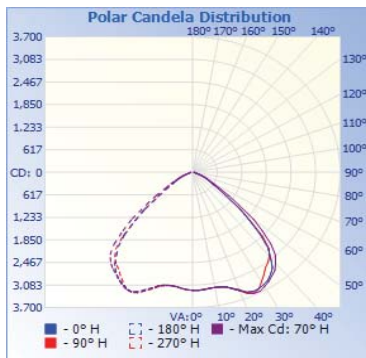
Ordering information

1. Product Series	2. Power Supply	3. Wattage	4. CP	5. Color Temperature	6. LED Current	7. Lens Type	8. Finish	9. Accessories
C0820 Canopy Lighting	BC - internal power supply model C - slim model with power supply	80W 100W 110W 120W	CP - Ceiling Mounting 1 RF - Ceiling Mounting 2	4000 - 4000K 5000 - 5000K	400 mA 450 mA	N38 N39	W - White Y - Yellow B - Black S - Silver	N - None P - Photo Sensor D - Dimming Control (0-100%)
Example: C0820 - C - 120W - RF - 5000 - 400 - N38 - W - N								

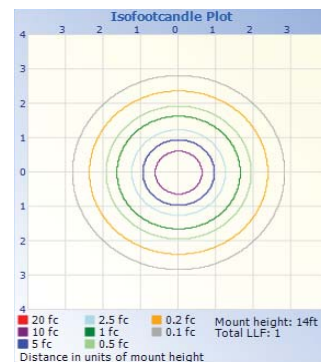
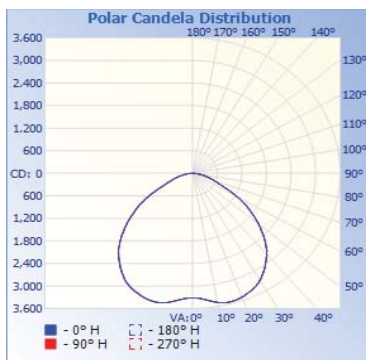
C0820 Series Canopy Light

Illumination Diagrams

Model	110W
Lens Type	N38
Color Temperature	5000K
Operating Current	450mA
Lumens	10232 lm

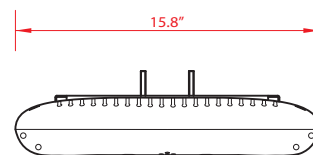
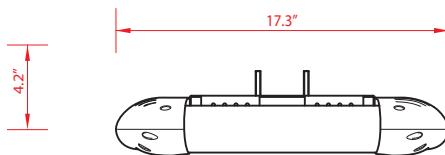


Model	110W
Lens Type	N39
Color Temperature	5000K
Operating Current	400mA
Lumens	10824 lm

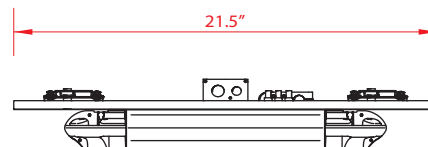
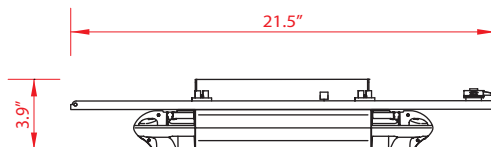


Mounting Options

CP series



RF series

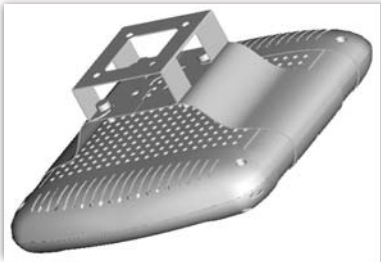


High Bay/Low Bay Fixture C0820 Series



Features

- Patented "Independent Pixel Heat Sink"
- Standard color temperature offering 4000K or 5000K or 6000K.
- Easily accessible high efficiency power supply
- Customizable lens distribution & color temperature
- Unique lightweight aluminum housing design
- Electro-statically applied polyester powder coat finish
- IP65 weather protection
- Design Light Consortium (DLC) qualified
- Highly efficient global brand LEDs



Optical Performance

- Color temperature: 4000K ~ 6000K
- Beam pattern: canopy symmetric
- Optimum canopy light distribution

Electrical Specifications

- Power input: 120-277 VAC 50/60Hz
- Power factor: $\geq 90\%$
- THD $< 20\%$ at full load
- 0-100% dimming control(optional)
- Power consumption: 80-120 W

Test & Certifications

- ETL certified
- UL standard 1598 & 8750 and 1012
- CSA C22.2 No.107.1 and No.250.0
- LM79, LM80
- RoHS compliant (optional)



LED Performance Specifications

Model	Number of LEDs	Low Bay Fixture with Lens N39					High Bay Fixture with Lens N40				
		Lumens		Wattage	Operating Current	B.U.G	Lumens		Wattage	Operating Current	B.U.G
		4000K	5000K				4000K	5000K			
C0820-80-HBLB	60	7085	7872	79	0.66	311	7065	7850	79	0.66	411
C0820-90-HBLB	70	7971	8856	92	0.76	311	7958	8842	92	0.76	411
C0820-100-HBLB	80	8856	9840	104	0.87	311	8830	9811	104	0.87	411
C0820-120-HBLB	90	10628	11808	117	0.97	321	10596	11773	116	0.97	411
C0820-130-HBLB	100	11513	12792	133	1.11	321	11479	12754	133	1.11	411
C0820-150-HBLB	110	13284	14760	145	1.20	321	13244	14716	145	1.20	511
C0820-160-HBLB	120	14170	15744	157	1.31	321	14127	15698	157	1.31	511
C0820-170-HBLB	130	15055	16728	171	1.43	421	15010	16678	171	1.43	511
C0820-180-HBLB	140	15941	17712	184	1.54	421	15893	17659	184	1.54	511
C0820-200-HBLB	150	17712	19680	196	1.63	421	17659	19621	196	1.63	511
C0820-210-HBLB	160	18598	20664	209	1.74	421	18542	20602	209	1.74	511
C0820-220-HBLB	170	19444	21604	222	1.84	421	19386	21540	221	1.84	511
C0820-240-HBLB	180	21255	23616	234	1.94	431	21191	23545	233	1.94	511

Manufacturer:

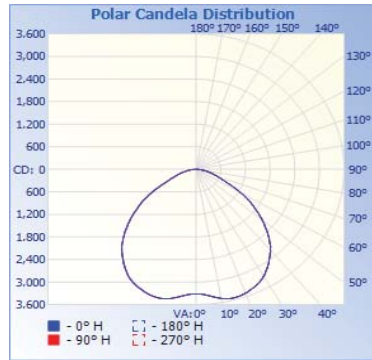
Sansitech USA Inc.
Add: 73-66 197 Street Fresh meadows,
NY 11366
Tel: 1-888-616-2420

High Bay/Low Bay Fixture C0820 Series

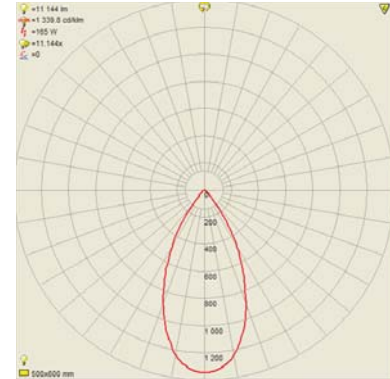


Illumination Diagrams

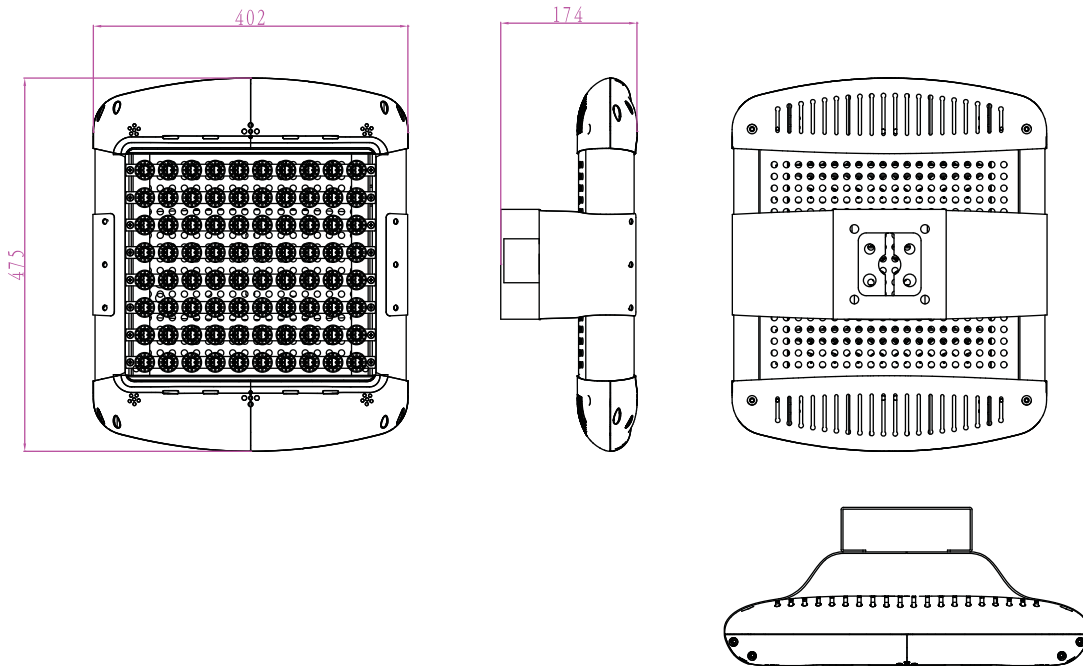
Low Bay Fixture
Lens: N39



High Bay Fixture
Lens: N40



Mounting Options



Ordering information

1. Product Series	2. Wattage	3. Type	5. Color Temperature	6. LED Current	7. Lens Type	8. Finish	9. Accessories
C0820	100W-240W	HBLB High bay Low bay	4000 - 4000K 5000 - 5000K	400 mA	N39 N40	W - White Y - Yellow S - Silver	N - None P - Photo Sensor D - Dimming Control (0-100%)

Example: C0820 - 120W - HBLB - 5000 - 400 - N38 - WN

Manufacturer:

Sansitech USA Inc.
Add: 73-66 197 Street Fresh meadows,
NY 11366
Tel: 1-888-616-2420

Features

- Patented "Independent Pixel Heat Sink" resulting in unrivalled heat dissipation
- Easily accessible high efficiency power supply
- Customizable lens distribution & color temperature depending on application requirements (optional)
- Unique lightweight aluminum housing design
- Electro-statically applied polyester powder coat finish
- IP65 weather protection
- Design Light Consortium (DLC) qualified
- Highly efficient global brand LEDs for exceptional quality, reliability and lumen maintenance



Optical Performance

- Color temperature: 4000K, 5000K, 6000K
- Custom beam pattern (optional)

Electrical Specifications

- Power input: 120-277 VAC 50/60Hz
- Power factor: $\geq 90\%$
- THD $< 20\%$ at full load
- 0-100% dimming control (optional)
- 347 VAC (optional)

Test & Certifications

- ETL certified
- UL standard 1598 & 8750 and 1012
- CSA C22.2 No.107.1 and No.250.0
- LM79, LM80
- RoHS compliant (optional)



LED Performance Specifications

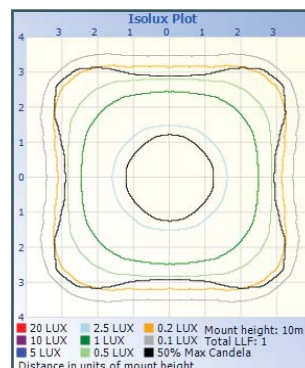
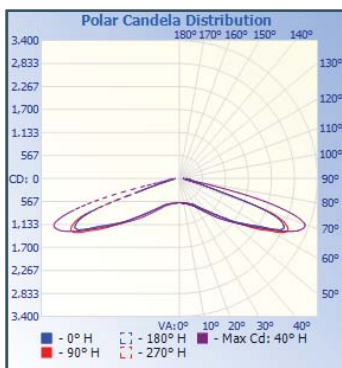
Model	LED #	Lens Type	Lumens		Wattage	Operating Current	BUG
			4000K	5000K			
C0820-40-P	30	N18	3543	3936	41	0.34	211
C0820-50-P	40	N18	4428	4920	54	0.45	311
C0820-70-P	50	N18	6200	6888	67	0.55	311
C0820-80-P	60	N18	7085	7872	79	0.66	322
C0820-90-P	70	N18	7971	8856	92	0.77	322
C0820-100-P	80	N18	8856	9840	104	0.87	322
C0820-120-P	90	N18	10628	11808	117	0.97	422

- * Bi-Level Sensor: Sensitivity: 5 Lux ~ 500 Lux (Adjustable)
 Delay: 16S ~ 350S (Adjustable)
 Coverage: 140 Deg Cone, 12 ~ 24 Feet

- * Note: power consumption decreases in approximate proportion to the dimming percentage, i.e., a 100W light consumes 30W when dimmed to a 30% percent light output.

Illumination Diagrams

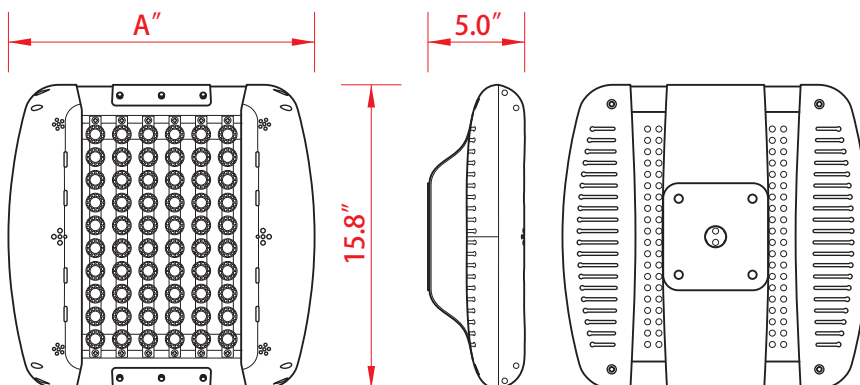
Type	V
Model	70W
Lens Type	N18
Color Temperature	5000K
Operating Current	400mA
Lumens	6888 lm



Mounting Options



Model	A
C0820-30	14"
C0820-40 ~ 70	16"
C0820-80	17"
C0820-90	18.4"
C0820-110	19.7"
C0820-120	20"
C0820-160	24.2"
C0820-200	28.4"
C0820-240	32.5"



Ordering information

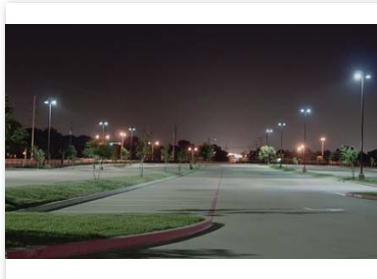
1. Product Series	2. Power Supply	3. Wattage	4. Location	5. Color Temperature	6. LED Current	7. Lens Type	8. Finish	9. Accessories
C0820 - Parkade Lighting	BC - Integrated power supply	40 W 50 W 70 W 80 W	PK - Parkade Light	4000 - 4000K 5000 - 5000K 6000 - 6000K	400 mA	N18	W - White Y - Yellow B - Black S - Silver	N - None M - Motion Sensor P - Photo Sensor D - Dimming Control (10% - 100% or 35% / 100%)

Example: C0820 - BC - 40W - PK - 5000 - 400 - N18 - W - M
1 2 3 4 5 6 7 8 9



Features

- Patented "Independent Pixel Heat Sink" resulting in unrivalled heat dissipation
- Easily accessible high efficiency power supply
- Customizable lens distribution & color temperature depending on application requirements (optional)
- Unique lightweight aluminum housing design
- Electro-statically applied polyester powder coat finish
- IP65 weather protection
- Design Light Consortium (DLC) qualified
- Highly efficient global brand LEDs for exceptional quality, reliability and lumen maintenance



Optical Performance

- Color temperature: 4000K ~ 6000K
- IESNA types IIM, IIS, III, V
- Custom beam pattern (optional)

Electrical Specifications

- Power input: 120-277 VAC 50/60Hz
- Power factor: $\geq 90\%$
- THD $< 20\%$ at full load
- 0-100% dimming control (optional)
- 347 VAC (optional)

Test & Certifications

- ETL certified
- UL standard 1598 & 8750 and 1012
- CSA C22.2 No.107.1 and No.250.0
- LM79, LM80
- RoHS compliant (optional)

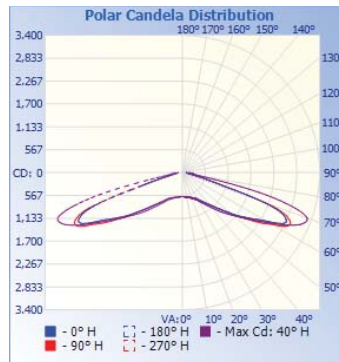
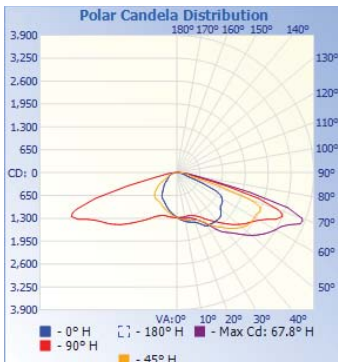
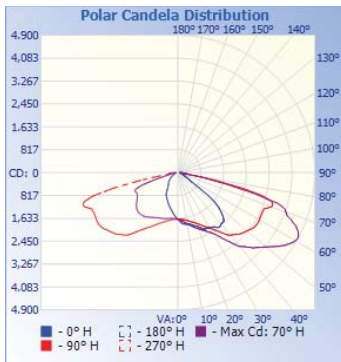
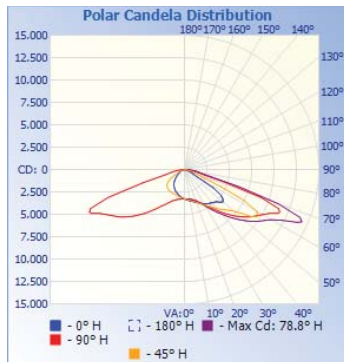


LED Performance Specifications

400mA Fixture Operating at 25°C															Compares with (approx. only)			
Lens Type	Model(Leds)	Initial Delivered Lumens - Nominal@4000K	Initial Delivered Lumens - Nominal@5000K	System Watts 120 – 277V	Total Current @ 120V	B	U	G	Model(Leds)	Initial Delivered Lumens - Nominal@4000K	Initial Delivered Lumens - Nominal@5000K	System Watts 120 – 277V	Total Current @ 120V	B			U	G
						Rating								Rating				
N18	C0820-40W(30leds)	3543	3936	40	0.34	2	1	1	C0820-120W(90leds)	10628	11808	120	0.97	4	2	2	70W MH	250W MH
	C0820-70W(50leds)	6200	6888	67	0.55	3	1	1	C0820-160W(120leds)	14170	15744	160	1.31	4	3	2	100W MH	320W MH
	C0820-110W(80leds)	9742	10824	106	0.87	3	2	2	C0820-240W(180leds)	21255	23616	239	1.95	5	3	3	150W MH	400W MH
N27	C0820-40W(30leds)	3543	3936	40	0.34	1	1	1	C0820-120W(90leds)	10628	11808	120	0.98	2	2	2	70W MH	250W MH
	C0820-70W(50leds)	6200	6888	67	0.55	1	1	1	C0820-160W(120leds)	14170	15744	160	1.32	3	3	3	100W MH	320W MH
	C0820-110W(80leds)	9742	10824	106	0.87	2	2	2	C0820-240W(180leds)	21255	23616	239	1.94	3	3	3	150W MH	400W MH
N31	C0820-40W(30leds)	3543	3936	40	0.34	1	1	1	C0820-120W(90leds)	10628	11808	120	0.98	2	2	2	70W MH	250W MH
	C0820-70W(50leds)	6200	6888	67	0.56	1	1	1	C0820-160W(120leds)	14170	15744	160	1.32	3	2	3	100W MH	320W MH
	C0820-110W(80leds)	9742	10824	106	0.87	2	2	2	C0820-240W(180leds)	21255	23616	239	1.95	3	3	3	150W MH	400W MH
N34	C0820-40W(30leds)	3543	3936	40	0.34	1	1	1	C0820-120W(90leds)	10628	11808	120	0.98	2	2	2	70W MH	250W MH
	C0820-70W(50leds)	6200	6888	67	0.56	2	1	2	C0820-160W(120leds)	14170	15744	160	1.32	3	2	3	100W MH	320W MH
	C0820-110W(80leds)	9742	10824	106	0.87	2	2	2	C0820-240W(180leds)	21255	23616	239	1.95	3	3	3	150W MH	400W MH



Illumination Diagrams



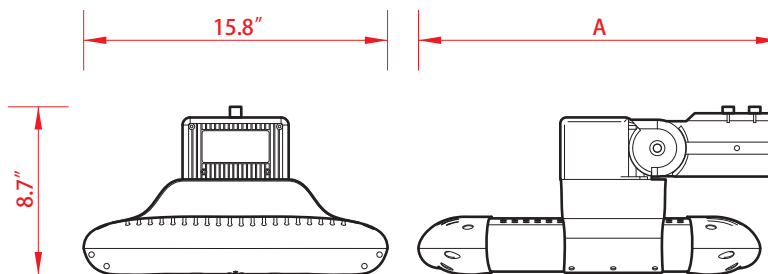
Type	IIM
Model	110W
Lens Type	N34
Color Temperature	5000K
Operating Current	400mA
Lumens	10749 lm

Type	IIS
Model	110W
Lens Type	N31
Color Temperature	5000K
Operating Current	400mA
Lumens	10722 lm

Type	III
Model	110W
Lens Type	N27
Color Temperature	5000K
Operating Current	400mA
Lumens	10802 lm

Type	V
Model	110W
Lens Type	N18
Color Temperature	5000K
Operating Current	400mA
Lumens	10824 lm

Mounting Options



Note: optional square mounting adapter available.

Ordering information

1. Product Series	2. Power Supply	3. Wattage	4. Color Temperature	5. LED Current	6. Lens Type	7. Finish	8. Accessories
C0820 Area / Street Lighting	BR Internal power supply model	40W ~ 240W	4000 - 4000K 5000 - 5000K	400 mA	N18 N27 N31 N34	W - White Y - Yellow B - Black S - Silver	N - None P - Photo Sensor D - Dimming Control (0-100%)

Example: C0820 - BR - 120W - 5000 - 400 - N18 - W - N
1 2 3 4 5 6 7 8

Features

- Patented "Independent Pixel Heat Sink" resulting in unrivalled heat dissipation
- Easily accessible high efficiency power supply
- Customizable lens distribution & color temperature depending on application requirements (optional)
- Unique lightweight aluminum housing design
- Electro-statically applied polyester powder coat finish
- IP65 weather protection
- Design Light Consortium (DLC) qualified
- Highly efficient global brand LEDs for exceptional quality, reliability and lumen maintenance



Optical Performance

- Color temperature: 4000K, 5000K 6000K
- Custom beam pattern (optional)

Electrical Specifications

- Power input: 120-277 VAC 50/60Hz
- Power factor: $\geq 90\%$
- THD $< 20\%$ at full load
- 0-100% dimming control (optional)
- 347 VAC (optional)

Test & Certifications

- ETL certified
- UL standard 1598 & 8750 and 1012
- CSA C22.2 No.107.1 and No.250.0
- LM79, LM80
- RoHS compliant (optional)

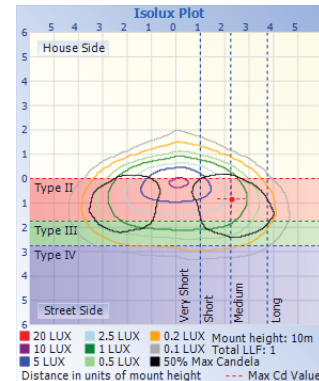
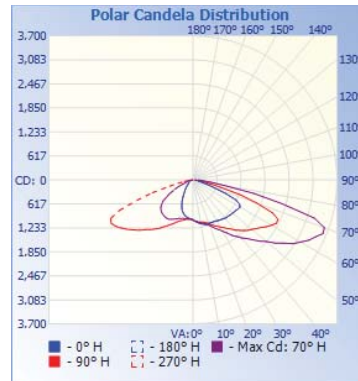


LED Performance Specifications

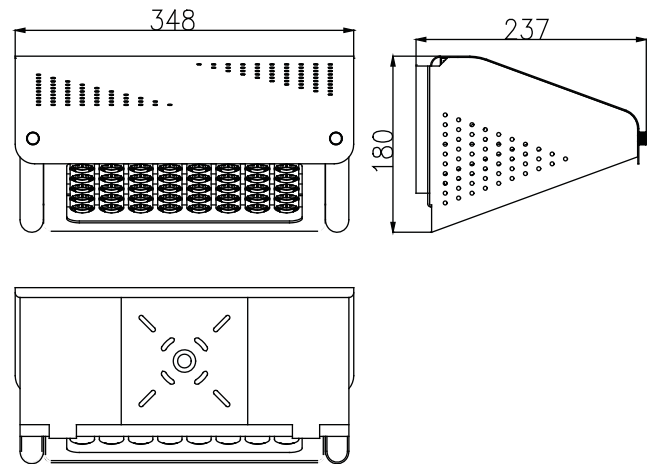
400mA Fixture Operating at 25°C									Compares with (approx. only)
Lens Type	Model(Leds)	Initial Delivered Lumens – Nominal@4000K	Initial Delivered Lumens – Nominal@5000K	System Watts 120 – 277V	Total Current @ 120V	B	U	G	
						Rating			
N34	C0820-30W(24leds)	2657	2952	33	0.28	2	1	1	150W MH
	C0820-48W(30leds)	4650	4725	46	0.40	2	1	1	250W MH
	C0820-60W(48leds)	5314	5904	64	0.54	2	1	1	400W MH

Illumination Diagrams

Model	48 W
Lens Type	N34
Color Temperature	5000 K
Operating Current	400 mA
Lumens	4725 lm



Mounting Options



Ordering information

1. Product Series	2. Mounting Option	3. Wattage	4. Color Temperature	5. LED Current	6. Lens Type	7. Finish	8. Accessories
C0820 - Wallpack Lighting	WP - Wall Pack	30 W 48 W 60 W	4000 - 4000K 5000 - 5000K	400 mA	N34	W - White Y - Yellow B - Black S - Silver	N - None P - Photo Sensor D - Dimming Control (0-100%)

Example: C0820 - WP - 30W - 5000 - 400 - N34 - W - N
1 2 3 4 5 6 7 8



Features

- Patented "Independent Pixel Heat Sink" resulting in unrivalled heat dissipation
- Replaceable LED plate for easy maintenance
- Easily accessible high efficiency power supply
- Customizable lens distribution & color temperature depending on application requirements (optional)
- Unique lightweight aluminum housing design
- Electro-statically applied polyester powder coat finish
- IP65 weather protection
- Design Light Consortium (DLC) qualified
- Highly efficient global brand LEDs for exceptional quality, reliability and lumen maintenance



Optical Performance

- Color temperature: 4000K ~ 6000K
- IESNA types IIM, IIS, III, V
- Custom beam pattern (optional)

Electrical Specifications

- Power input: 120-277 VAC 50/60Hz
- Power factor: $\geq 90\%$
- THD $< 20\%$ at full load
- 0-100% dimming control(optional)
- 347 VAC (optional)

Test & Certifications

- ETL certified
- UL standard 1598 & 8750 and 1012
- CSA C22.2 No.107.1 and No.250.0
- LM79, LM80
- RoHS compliant (optional)



Conventional 250 W HPS



Cobra Head LED 120W



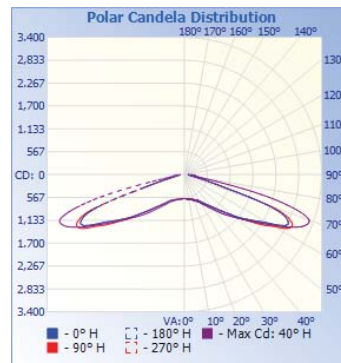
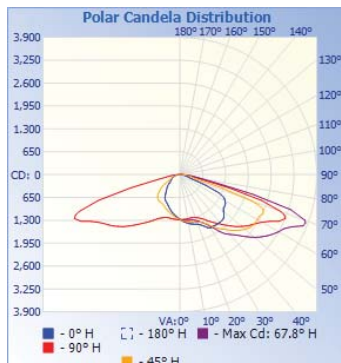
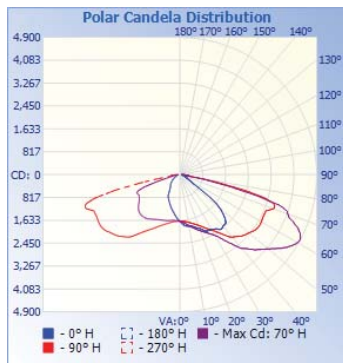
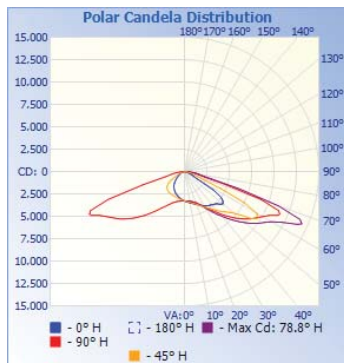
LED Performance Specifications

400mA Fixture Operating at 25°C

400mA Fixture Operating at 25°C																Compares with (approx. only)		
Lens Type	Model(Leds)	Initial Delivered Lumens – Nominal@4000K	Initial Delivered Lumens – Nominal@5000K	System Watts 120 – 277V	Total Current @ 120V	B	U	G	Model(Leds)	Initial Delivered Lumens – Nominal@4000K	Initial Delivered Lumens – Nominal@5000K	System Watts 120 – 277V	Total Current @ 120V	B	U			G
						Rating								Rating				
N18	C0830-50W(40leds)	4428	4920	53	0.45	3	1	1	C0830-100W (80leds)	8856	9840	106	0.87	3	2	2	70W MH	150W MH
	C0830-70W(50leds)	6200	6888	70	0.58	3	2	2	C0830-120W(90leds)	10628	11808	120	1.00	4	3	2	100W MH	250W MH
N27	C0830-50W(40leds)	4428	4920	53	0.44	1	1	1	C0830-100W (80leds)	8856	9840	106	0.87	2	2	2	70W MH	150W MH
	C0830-70W(50leds)	6200	6888	70	0.58	2	2	2	C0830-120W(90leds)	10628	11808	120	1.00	3	3	3	100W MH	250W MH
N31	C0830-50W(40leds)	4428	4920	53	0.44	1	1	1	C0830-100W (80leds)	8856	9840	106	0.87	2	2	2	70W MH	150W MH
	C0830-70W(50leds)	6200	6888	70	0.58	2	1	2	C0830-120W(90leds)	10628	11808	120	1.00	3	2	3	100W MH	250W MH
N34	C0830-50W(40leds)	4428	4920	53	0.45	1	1	1	C0830-100W (80leds)	8856	9840	106	0.87	2	2	2	70W MH	150W MH
	C0830-70W(50leds)	6200	6888	70	0.58	2	1	2	C0830-120W(90leds)	10628	11808	120	1.00	3	2	3	100W MH	250W MH



Illumination Diagrams



Type	IIM
Model	110W
Lens Type	N34
Color Temperature	5000K
Operating Current	400mA
Lumens	10726 lm

Type	IIS
Model	110W
Lens Type	N31
Color Temperature	5000K
Operating Current	400mA
Lumens	10742 lm

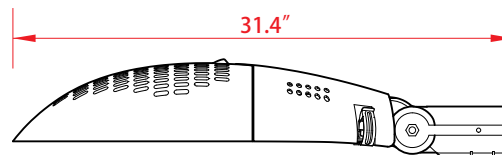
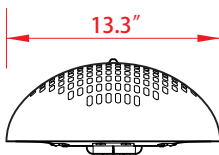
Type	III
Model	110W
Lens Type	N27
Color Temperature	5000K
Operating Current	400mA
Lumens	10722 lm

Type	V
Model	110W
Lens Type	N18
Color Temperature	5000K
Operating Current	400mA
Lumens	10824 lm

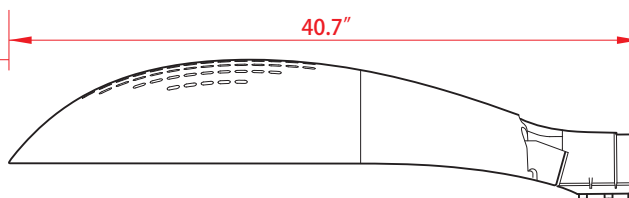
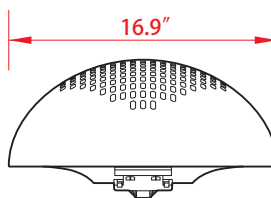
Power Options



40/80 W Type



100/150 W Type



Ordering information

1. Product Series	2. LEDs	3. Color Temperature	4. LED Current	5. Lens Type	6. Finish	7. Accessories
C0830 Area / Street Lighting	40 ~ 120	4000 - 4000K 5000 - 5000K	400 mA	N18 N27 N31 N34	W - White Y - Yellow B - Black S - Silver	N - None P - Photo Sensor D - Dimming Control (0-100%)

Example: C0820 - 120 - 5000 - 400 - N18 - W - N
1 2 3 4 5 6 7

LED GD24 PL-C Light

Product Features/Advantages

- 50% energy saving than the normal CCFL light
- Use high LM 0.2W SMD Led as the light source
- Universal input voltage from AC90~277V
- Own designed isolating driver to insure the safety
- Aluminum housing for good heating dissipation
- Plastic PC cover to insure the safety and reach IP20
- TUV/ETL/CETL/Fcc/CE/RoHS approval



Applications

Indoor lighting for hotel, house etc.
Commercial lighting.
Replacement for normal CCFL lighting.

Certifications



Quality Guarantee



Dimension



Explosive View



Model NO.	A(mm)	B(mm)	C(mm)	D(mm)
TP-GD24-4W	75.7	64	116.4	27.1
TP-GD24-6W	97.7	115	138.4	27.1
TP-GD24-8W	109.7	128	150.4	27.1

LED Acorn Light

Model No:LLS-A-36/54



Wattage	36/54
Input Volatage	85 – 285V AC
Base	E27/E40
Brand of led	Epistar
Luminous flux	3500–6500lm
Beam Distribution	Type 1, 3, 5
Degrees	360°
Power Factor	>90%
Life Span	>50, 000hrs
Net Weight	1.2 kg
Globe Dimension Dia.(inches):	18/26
Certificate:	CE, RoHS, UL
Color Tempreture	2700 – 7000k
Working Tempreture	-35° C – 45° C
IP Rating	Ip65
Warranty	3 Years



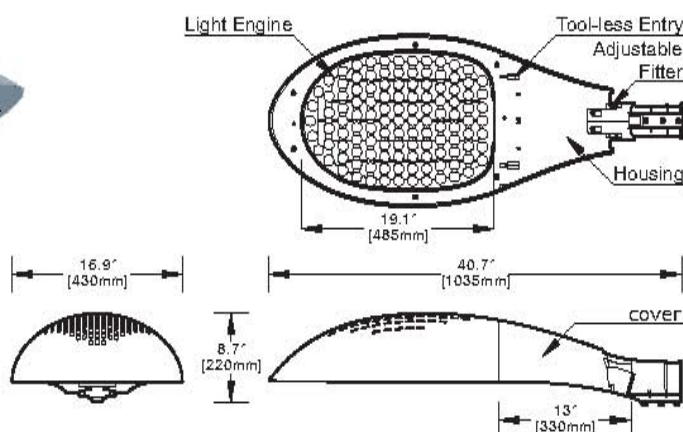
MADE IN USA

Renlaces 200W and 400w HPS/MH

Cobra Street Light Model No:C0830



100 Lm/Watt!



General Description

1. Aluminum Fixture housing. All screws are stainless steel. Adjustable arm ($\pm 5^\circ$)
2. IP65 Rated
3. 100 Lm/Watt! (highest recorded by Design Light Consortium)
4. Temperature range: -40°F to 130°F
5. Distribution patterns, IESNA Type I,II,III,V
6. Color Temperature: 4,000k - 6,000k
7. Unit weight: 13.2lbs. (30w) to 25.3 lbs. (240w)
8. Options: Fully dimmable (0 – 100%), Twist Lock Photocell in accordance with ANSI C136.10
9. Warranty: 5 Year, additional years available
10. Sizes available 30 to 240w



Replacement Sizing:

Model	Metal Halide/HPS Replacement	Plug Watts	Lumens
C0830-40	75W	40W	5,000
C0820-50	100W	50W	10,000
C0820-70	150W	90W	9,000
C0820-90	250W	120W	12,000
C0820-120	400W	150W	15,000



LED GD24 PL-C Light

Product Features/Advantages

- 50% energy saving than the normal CCFL light
- Use high LM 0.2W SMD Led as the light source
- Universal input voltage from AC90~277V
- Own designed isolating driver to insure the safety
- Aluminum housing for good heating dissipation
- Plastic PC cover to insure the safety and reach IP20
- TUV/ETL/CETL/Fcc/CE/RoHS approval



Applications

Indoor lighting for hotel, house etc.
Commercial lighting.
Replacement for normal CCFL lighting.

Certifications



Quality Guarantee



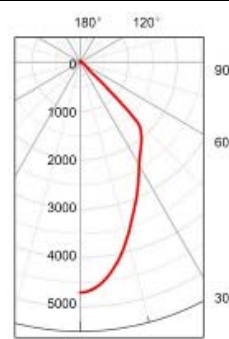
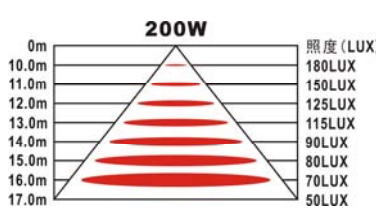
Dimension



Explosive View



Model NO.	A(mm)	B(mm)	C(mm)	D(mm)
TP-GD24-4W	75.7	64	116.4	27.1
TP-GD24-6W	97.7	115	138.4	27.1
TP-GD24-8W	109.7	128	150.4	27.1

Product	200W LED High Bay		
Model	LLS-200-HB-VA-E40		
Lighting Parameters		Electrical Parameters	
LED Brand	South Korea Epivalley Chips	Input Voltage	AC 90~264V/90~305V
Light Source	40W integrated light source	Frenquency	47~63Hz
Quantity of light source	4	Output Voltage	DC 26~38V
Color Temperature	2700~7000K	Output Current	5.6A (constant current)
Luminaire Efficiency	≥90%	Total Consumption	204W±8W
Light Efficiency	≥70lm/W	LED Consumption	170W±8W
Luminous Flux	14000lm	Power Efficiency of Driver	≥85%
Color Rendering Index (CRI)	≥80	Power Factor(PF)	≥0.95
Beam Angle	90 degree	Total Harmonic Distortion (THD)	≤15%
Other Parameters			
Surface Temperature of Heat Sink	54℃ (Ambient Temperature30℃)	Life Span	≥50000hrs
Temperature of Light Source Board	61℃ (Ambient Temperature30℃)	Material	Alluminium Alloy
Working Temperature	- 25~+45℃	NW	10. 5kg±0. 4kg
Working Humidity	15%~90%RH	Dimension of the Fixture	L400mm×W400mm×H640mm
Storage Temperature	- 30~+65℃	Packing of the Light Head	1pc: L340mm×W340mm×H550mm
Equivalent to MH	800W-1000W		
IP Rating	IP30	Packing of the reflector	10pcs: L480mm×W480mm×H395mm
Light Distribution	Light Illuminance	Configuration	
 Round Luminous Spot	 200W 照度 (LUX) 0m 180LUX 10.0m 150LUX 11.0m 125LUX 12.0m 115LUX 13.0m 90LUX 14.0m 80LUX 15.0m 70LUX 16.0m 50LUX 17.0m Recommend height: 12~16m Illuminance: 70~125LUX	